

Human leucine aminopeptidase 3 (LAP3) ELISA Kit | LAP3 elisa kit

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CATALOG #
AAA245845

REACTIVITY
Human

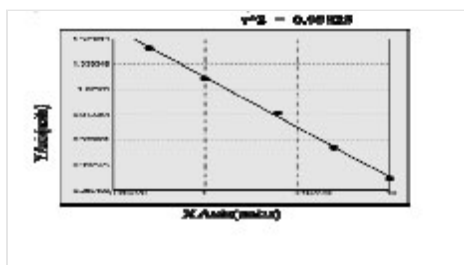
PRODUCT SYNONYMS

leucine aminopeptidase 3 (LAP3); Human leucine aminopeptidase 3 (LAP3) ELISA Kit; LAP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100mU/mL.
Sensitivity	1.0mU/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAP3 elisa kit

Intended Uses: This LAP-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LAP-3. This ELISA kit for research use only!

Principle of the Assay||LAP-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LAP-3 antibody and an LAP-3-HRP conjugate. The assay sample and buffer are incubated together with LAP-3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LAP-3 concentration since LAP-3 from samples and LAP-3-HRP conjugate compete for the anti-LAP-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by LAP-3 from the sample, fewer sites are left to bind LAP-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LAP-3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48146373
NCBI GeneID	51056
UniProt Accession #	P28838; Q6IAM6; Q6P0L6; Q9UQE3; B3KMQ3
Molecular Weight	52,771 Da
NCBI Official Full Name	LAP3
NCBI Official Synonym Full Names	leucine aminopeptidase 3
NCBI Official Symbol	LAP3
NCBI Official Synonym Symbols	LAP; PEPS; LAPEP; HEL-S-106
NCBI Protein Information	cytosol aminopeptidase; LAP-3; peptidase S; leucyl aminopeptidase; prolyl aminopeptidase; proline aminopeptidase; epididymis secretory protein Li 106
UniProt Protein Name	Cytosol aminopeptidase
UniProt Gene Name	LAP3
UniProt Synonym Gene Names	LAPEP; PEPS; LAP-3
UniProt Entry Name	AMPL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/leucine-aminopeptidase-3-lap3/245845>